

ABSTRACT OF THE DISCLOSURE

An apparatus and method for determining the shock characteristic of a suspension having a proximate portion, a distal portion and a spring portion therebetween has a rotatable structure having a mount for the suspension base portion such that the suspension distal portion is cantilevered over the rotatable structure, and a sensor carried on the rotatable structure for sensing the displacement of the suspension distal portion relative to the suspension proximate portion under shock load from centrifugal force imparted to the suspension by the rotatable structure. The shock characteristic value is determinable from the displacement value.